

Declaration, Petition and Power of Attorney for
File-Wrapper-Continuation Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated
below next to my name,

I believe I am the original, first and sole inventor (if only
one name is listed below) or an original, first and joint
inventor (if plural names are listed below) of the subject
matter which is claimed and for which a patent is sought on the
invention entitled

DELINEATION OF INDIVIDUAL HUMAN CHROMOSOMES IN METAPHASE
AND INTERPHASE CELLS BY IN SITU SUPPRESSION HYBRIDIZATION

the specification of which

(check one)

___ is attached hereto.

X was filed on February 14, 1992 as
Application Serial No. 07/837,664
and was amended
on February 14, 1992.
(if applicable)

I do not know and do not believe that the subject matter of
this application was ever known or used in the United States
before my invention thereof or patented or described in any
printed publication in any country before my invention thereof
or more than one year prior to the date of this application,
and that said subject matter has not been patented or made the
subject of an issued inventor's certificate in any country
foreign to the United States on an application filed by me or
my legal representatives or assigns more than twelve months
prior to the date of this application; that I acknowledge my
duty to disclose information of which I am aware which is
material to the examination of this application, that no
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matter of this application has been filed by me or my
representatives or assigns in any country foreign to the United
States, except those identified below, and that I have reviewed
and understand the contents of the specification, including the
claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose information which is
material to the examination of this application in accordance
with Title 37, Code of Federal Regulations, §1.56(a).

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

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☒ no such applications have been filed.

☐ such applications have been filed as follows

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Country	Application Number	Date of Filing (month,day,year)	Priority Claimed Under 37 USC 119	
			<input type="checkbox"/> YES	<input type="checkbox"/> NO
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<u>07/271,609</u>	<u>November 15, 1988</u>	<u>Abandoned</u>
(Application Serial No.)	(Filing Date)	(Status)
		(patented,pending,aband.)
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William C. Geary III	Reg. No. 31,359	Amy E. Mandragouras	Reg. No. P-36,207

Send Correspondence to: Giulio A. DeConti, Jr. - Reg. No. 31,503
LAHIVE & COCKFIELD
60 State Street
Boston, MA 02109

Direct Telephone Calls to: Giulio A. DeConti, Jr.
(617) 227-7400

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

David C. Ward
Full name of sole or first inventor

David C. Ward
Inventor's signature

7/13/92
Date

89 Quail Run
Madison, Connecticut 06443

Residence
United States of America
Citizenship

Post Office Address (if different)

Peter Lichter

Full name of second inventor, if any

Inventor's signature

Date

Hauheckenweg 21

D6900, Heidelberg, Germany

Residence

Germany

Citizenship

Post Office Address (if different)

Thomas Cremer

Full name of third inventor, if any

Inventor's signature

Date

Friedrich Weinbrenner Strasse

D6900, Heidelberg, Germany

Residence

Germany

Citizenship

Post Office Address (if different)

Laura Manuelidis

Full name of fourth inventor, if any

Laura Manuelidis

Inventor's signature

Date

585 Ellsworth Avenue

New Haven, Connecticut 06511

Residence

United States of America

Citizenship

Post Office Address (if different)

7/13/92

Inventor's signature	Date
In den Pfadelsackern 48	
D6900 Heidelberg, Germany	
Residence	
Germany	
Citizenship	
Post Office Address (if different)	

Inventor's signature	Date
Residence	
Italy	
Citizenship	
Post Office Address (if different)	

Inventor's signature	Date
Residence	
Citizenship	
Post Office Address (if different)	

Attorney's
Docket Number: IGI-001CN

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<u>07/271,609</u>	<u>November 15, 1988</u>	<u>Abandoned</u>
(Application Serial No.)	(Filing Date)	(Status)
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David C. Ward
Full name of sole or first inventor

Inventor's signature Date
89 Quail Run
Madison, Connecticut 06443
Residence
United States of America
Citizenship

Post Office Address (if different)

Peter Lichter
Full name of second inventor, if any

Peter Lichter
Inventor's signature

7/7/92
Date

Hauheckenweg 21
D6900, Heidelberg, Germany
Residence
Germany
Citizenship

Post Office Address (if different)

Thomas Cremer
Full name of third inventor, if any

H. Thomas Cremer
Inventor's signature

7.7.92
Date

Friedrich Weinbrenner Strasse
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Residence
Germany
Citizenship

Post Office Address (if different)

Laura Manuelidis
Full name of fourth inventor, if any

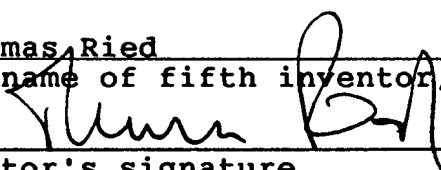
Inventor's signature

Date

585 Ellsworth Avenue
New Haven, Connecticut 06511
Residence
United States of America
Citizenship

Post Office Address (if different)

Thomas Ried
Full name of fifth inventor, if any


Inventor's signature

7/7/82
Date

In den Pfädelssäcken 48
D6900, Heidelberg, Germany

Residence

Germany

Citizenship

Post Office Address (if different)

Antonio Baldini
Full name of sixth inventor, if any

Inventor's signature

Date

Residence

Italy

Citizenship

Post Office Address (if different)

Full name of seventh inventor, if any

Inventor's signature

Date

Residence

Citizenship

Post Office Address (if different)

Thomas Ried
Full name of fifth inventor, if any

Inventor's signature _____ Date _____
In den Pfadelsackern 48
D6900 Heidelberg, Germany
Residence _____
Germany
Citizenship _____
Post Office Address (if different) _____

Antonio Baldini
Full name of sixth inventor, if any
Antonio Baldini July 8, 1992
Inventor's signature _____ Date _____
5 St. Michaels Garden
London W10 England
Residence _____
Italy
Citizenship _____
Post Office Address (if different) _____

Full name of seventh inventor, if any

Inventor's signature _____ Date _____
Residence _____
Citizenship _____
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07/271,609
(Application Serial No.)

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<u>D6900, Heidelberg, Germany</u>	
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<u>Germany</u>	
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Laura Manuelidis
Full name of fourth inventor, if any

Inventor's signature	Date
<u>585 Ellsworth Avenue</u>	
<u>New Haven, Connecticut 06511</u>	
Residence	
<u>United States of America</u>	
Citizenship	
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: D. Ward *et al.*

Serial No.: 08/312,429

Filed: September 26, 1994

For: DELINEATION OF INDIVIDUAL HUMAN
CHROMOSOMES IN METAPHASE AND INTERPHASE
CELLS BY *IN SITU* SUPPRESSION HYBRIDIZATION

Attorney Docket No: IGI-001CN2

Group Art Unit: 1805

Examiner: S. Priebe

COPY

Assistant Commissioner for Patents
Washington, D.C. 20231

Certificate of Transmission by Facsimile

I hereby certify that this correspondence is being transmitted by facsimile to: Assistant Commissioner for Patents, Washington, D.C. 20231 at (703) 308-6916 on the date set forth below.

23 November 1998
Date of Signature and of Mail Deposit

By:

Jeanne M. DiGiorgio
Jeanne M. DiGiorgio
Reg. No. 41,710
Attorney for Applicants

ASSOCIATE POWER OF ATTORNEY

Dear Sir:

The undersigned attorney has the power of attorney in the subject application. He hereby grants an associate power to:

Jeanne M. DiGiorgio
Registration No. 41,710
Lahive & Cockfield, LLP
28 State Street
Boston, MA 02109

Please continue to forward all written and telephonic communications to Giulio A. DeConti, Jr., Esq. at the address and telephone number listed below.

Respectfully submitted,

Thomas V. Smurzynski
Thomas V. Smurzynski
Registration No. 24,798
Attorney for Applicants

LAHIVE & COCKFIELD, LLP
28 State Street
Boston, MA 02109
Tel. (617) 227-7400
Dated: November 23, 1998



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MAY 18, 1999

PTAS

LAHIVE & COCKFIELD, LLP
GUILIO A. DECONTI, JR.
28 STATE STREET
BOSTON, MA 02109



COPY

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/18/1999

REEL/FRAME: 9778/0675
NUMBER OF PAGES: 21

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
WARD, DAVID C.

DOC DATE: 02/05/1999

ASSIGNOR:
LICHTER, PETER

DOC DATE: 12/23/1998

ASSIGNOR:
CREMER, THOMAS

DOC DATE: 12/29/1998

ASSIGNOR:
MANUELIDIS, LAURA

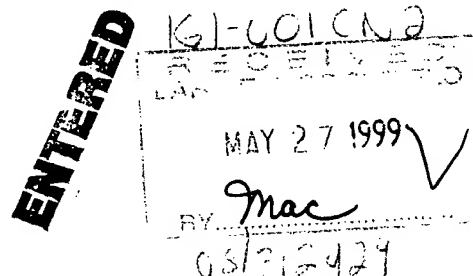
DOC DATE: 01/18/1998

ASSIGNOR:
RIED, THOMAS

DOC DATE: 12/11/1998

ASSIGNOR:
BALDINI, ANTONIO

DOC DATE: 12/15/1998



9778/0675 PAGE 2

ASSIGNEE:


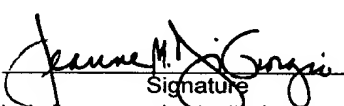
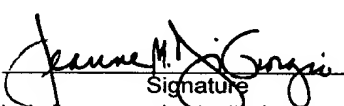
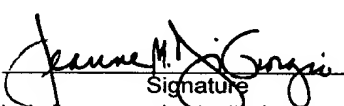
YALE UNIVERSITY
246 CHURCH STREET, SUITE 401
NEW HAVEN, CONNECTICUT 06510

SERIAL NUMBER: 08312429
PATENT NUMBER:

FILING DATE: 09/26/1994
ISSUE DATE:

SHARON LATIMER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

MD 2-22-99

<p>FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)</p> <p>Tab settings ⇄⇄⇄▽</p> <p style="text-align: center;">To the Honorable Commissioner of Patents:</p>	<p>RECOI</p> <p>02-26-1999</p>  <p>100973478</p>	<p style="text-align: right;">U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office</p> <p style="text-align: center; font-size: 1.5em;">RECEIVED ▽</p> <p style="text-align: right; font-size: 0.8em;">Original documents or copy thereof 27 FEB 22 AM 1999 OPR/FINANCIAL JCS03 U.S. 09/135958 06/18/99</p>			
<p>1. Name of conveying party(ies):</p> <p>David C. Ward Peter Lichter Thomas Cremer</p> <p>Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: <u>Yale University</u></p> <p>Internal Address: _____</p> <p>Street Address: <u>246 Church Street, Suite 401</u></p> <p>City: <u>New Haven</u> State: <u>Connecticut</u> ZIP: <u>06510</u></p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>				
<p>3. Nature of conveyance</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other _____</p> <p>Execution Date: <u>February 5, 1999, December 23, 1998 and December 29, 1998. respectively</u></p>	<p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is: _____</p> <table style="width: 100%;"> <tr> <td style="width: 50%;"> <p>A. Patent Application No.(s) <u>08/312,429</u></p> </td> <td style="width: 50%;"> <p>B. Patent No.(s)</p> </td> </tr> </table> <p style="text-align: center;">Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>		<p>A. Patent Application No.(s) <u>08/312,429</u></p>	<p>B. Patent No.(s)</p>	
<p>A. Patent Application No.(s) <u>08/312,429</u></p>	<p>B. Patent No.(s)</p>				
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>Giulio A. DeConti, Jr.</u></p> <p>Internal Address: <u>Lahive & Cockfield, LLP</u></p> <p>Street Address: <u>28 State Street</u></p> <p>5/1999 JSMBDZZ 00000147 08312429</p> <p>C:581 City: <u>Boston</u> State: <u>MA</u> ZIP: <u>02109</u></p>	<p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41).....\$ <u>\$40.00</u></p> <p><input checked="" type="checkbox"/> Enclosed</p> <p><input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number:</p> <p><u>12-0080</u></p>				
<p>DO NOT USE THIS SPACE</p>					
<p>9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i></p> <table style="width: 100%;"> <tr> <td style="width: 35%;"> <p><u>Jeanne M. DiGiorgio</u> Name of Person Signing</p> </td> <td style="width: 35%; text-align: center;"> <p> Signature</p> </td> <td style="width: 30%; text-align: right;"> <p><u>18 February 1999</u> Date</p> </td> </tr> </table> <p style="text-align: center;">Total number of pages including cover sheet, attachments, and document:</p> <div style="text-align: right; border: 1px solid black; padding: 2px 10px; width: 50px; margin: 0 auto;">22</div>			<p><u>Jeanne M. DiGiorgio</u> Name of Person Signing</p>	<p> Signature</p>	<p><u>18 February 1999</u> Date</p>
<p><u>Jeanne M. DiGiorgio</u> Name of Person Signing</p>	<p> Signature</p>	<p><u>18 February 1999</u> Date</p>			

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 20231

Serial No: 08/312,429

-2-

Filed: September 26, 1994

Additional Conveyors:

Laura Manuelidis, executed January 18, 1998

Thomas Ried, executed December 11, 1998

Antonio Baldini, executed December 15, 1998

ASSIGNMENT

We, David C. Ward of Madison, Connecticut, Peter Lichter of Heidelberg, Germany, Thomas Cremer of Heidelberg, Germany, Laura Manuelidis of New Haven, Connecticut, Thomas Ried of Heidelberg, Germany and Antonio Baldini of London, England, in consideration of One Dollar and other valuable consideration paid to us by

Yale University

a corporation of Connecticut, having its principal place of business at New Haven, Connecticut 06510, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Yale University

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

Delineation of Individual Human Chromosomes in Metaphase and Interphase Cells by In Situ Suppression Hybridization

described in an application

_____executed by us of even date herewith and about to be filed

X Serial No. 08/312,429, filed on September 26, 1994

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this _____ day of _____, 1998.

By: David C. Ward

State of)
)ss
County of)

Then personally appeared the above named David C. Ward and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 1998.

Notary Public

WITNESS my hand and seal this _____ day of _____, 1998.

By: _____
Peter Lichter

State of _____)
County of _____)ss
County of _____)

Then personally appeared the above named Peter Lichter and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 1998.

Notary Public

My commission expires: _____

WITNESS my hand and seal this 29 day of December T.C., 1998.

change of address:
Institute of Anthropology & Human Genetics
Richard-Wagnerstr. 10
80333 MUNICH, Germany T.C.

State of _____)
County of _____)ss
County of _____)

By: Thomas Cremer
Thomas Cremer

Then personally appeared the above named Thomas Cremer and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 18 day of January, 1998. 1999

Jr. Stefan Müller
Inst. of Anthropology &
Human Genetics

Richard-Wagnerstr. 10
80333 München, Germany

Stefan Müller
Notary Public
Witness

My commission expires: _____

WITNESS my hand and seal this _____ day of _____, 1998.

By: _____
Laura Manuelidis

State of _____)
County of _____)ss

Then personally appeared the above named Laura Manuelidis and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 1998.

Notary Public

My commission expires: _____

WITNESS my hand and seal this _____ day of _____, 1998.

By: _____
Thomas Ried

State of _____)
County of _____)ss

Then personally appeared the above named Thomas Ried and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 1998.

Notary Public

My commission expires: _____

WITNESS my hand and seal this _____ day of _____, 1998.

By: _____
Antonio Baldini

State of)
)ss
County of)

Then personally appeared the above named Antonio Baldini and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 1998.

Notary Public

My commission expires: _____

WITNESS my hand and seal this _____ day of _____, 1998.

By: _____
Peter Lichter

State of)
)ss
County of)

Then personally appeared the above named Peter Lichter and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 1998.

Notary Public

My commission expires: _____

WITNESS my hand and seal this _____ day of _____, 1998.

By: _____
Thomas Cremer

State of)
)ss
County of)

Then personally appeared the above named Thomas Cremer and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 1998.

Notary Public

My commission expires: _____

WITNESS my hand and seal this 18 day of January, 1998.

By: Laura Manuelidis
Laura Manuelidis

State of Connecticut)
County of New Haven)ss New Haven, Ct.

Then personally appeared the above named Laura Manuelidis and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 18 day of January, 1998.

Forrest J. Rozen
Notary Public

My Commission Expires August 31, 2001
My commission expires: _____

WITNESS my hand and seal this _____ day of _____, 1998.

By: _____
Thomas Ried

State of _____)
County of _____)ss _____

Then personally appeared the above named Thomas Ried and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 1998.

Notary Public

My commission expires: _____

WITNESS my hand and seal this _____ day of _____, 1998.

By: Antonio Baldini

State of)
)ss
County of)

Then personally appeared the above named Antonio Baldini and acknowledged the foregoing instrument to be his/her free act and deed, before me, this ____ day of _____, 1998.

Notary Public

My commission expires:_____

ASSIGNMENT

We, David C. Ward of Madison, Connecticut, Peter Lichter of Heidelberg, Germany, Thomas Cremer of Heidelberg, Germany, Laura Manuelidis of New Haven, Connecticut, Thomas Ried of Heidelberg, Germany and Antonio Baldini of London, England, in consideration of One Dollar and other valuable consideration paid to us by

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Yale University

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

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by In Situ Suppression Hybridization**

described in an application

_____ executed by us of even date herewith and about to be filed

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And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this _____ day of _____, 1998.

By: _____
David C. Ward

State of)
)ss
County of)

Then personally appeared the above named David C. Ward and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 1998.

Notary Public

WITNESS my hand and seal this _____ day of _____, 1998.

By: _____
Laura Manuelidis

State of _____)
)ss
County of _____)

Then personally appeared the above named Laura Manuelidis and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 1998.

Notary Public

My commission expires: _____

WITNESS my hand and seal this _____ day of _____, 1998.

By: _____
Thomas Ried

State of _____)
)ss
County of _____)

Then personally appeared the above named Thomas Ried and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 1998.

Notary Public

My commission expires: _____

WITNESS my hand and seal this _____ day of _____, 1998.

By: Antonio Baldini

State of)
)ss
County of)

Then personally appeared the above named Antonio Baldini and acknowledged the foregoing instrument to be his/her free act and deed, before me, this ____ day of _____, 1998.

Notary Public

My commission expires:_____

ASSIGNMENT

We, David C. Ward of Madison, Connecticut, Peter Lichter of Heidelberg, Germany, Thomas Cremer of Heidelberg, Germany, Laura Manuelidis of New Haven, Connecticut, Thomas Ried of Heidelberg, Germany and Antonio Baldini of London, England, in consideration of One Dollar and other valuable consideration paid to us by

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WITNESS my hand and seal this _____ day of _____, 1998.

By: David C. Ward

State of)
)ss
County of)

Then personally appeared the above named David C. Ward and acknowledged the foregoing instrument to be his/her free act and deed, before me, this ____ day of _____, 1998.

Notary Public

WITNESS my hand and seal this _____ day of _____, 1998.

By: Peter Lichter

State of)
)ss
County of)

Then personally appeared the above named Peter Lichter and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 1998.

Notary Public

My commission expires:_____

WITNESS my hand and seal this _____ day of _____, 1998.

By: Thomas Cremer

State of)
)ss
County of)

Then personally appeared the above named Thomas Cremer and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 1998.

Notary Public

My commission expires:_____

WITNESS my hand and seal this _____ day of _____, 1998.

By: Laura Manuelidis

State of)
)ss
County of)

Then personally appeared the above named Laura Manuelidis and acknowledged the foregoing instrument to be his/her free act and deed, before me, this ____ day of _____, 1998.

Notary Public

My commission expires: _____

WITNESS my hand and seal this 11th day of December, 1998

By: Thomas Ried

State of Maryland)
)ss
County of Montgomery)

Then personally appeared the above named Thomas Ried and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 11th day of December, 1998.

Theresa W. Lumsden
Notary Public

My commission expires:_____

THERESA W. LUMSDEN
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires April 26, 1999

WITNESS my hand and seal this _____ day of _____, 1998.

By: _____
Antonio Baldini

State of)
)ss
County of)

Then personally appeared the above named Antonio Baldini and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 1998.

Notary Public

My commission expires: _____

ASSIGNMENT

We, David C. Ward of Madison, Connecticut, Peter Lichter of Heidelberg, Germany, Thomas Cremer of Heidelberg, Germany, Laura Manuelidis of New Haven, Connecticut, Thomas Ried of Heidelberg, Germany and Antonio Baldini of London, England, in consideration of One Dollar and other valuable consideration paid to us by

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And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this _____ day of _____, 1998.

By: David C. Ward

State of)
)ss
County of)

Then personally appeared the above named David C. Ward and acknowledged the foregoing instrument to be his/her free act and deed, before me, this _____ day of _____, 1998.

Notary Public

WITNESS my hand and seal this _____ day of _____, 1998.

By: Peter Lichter

State of)
)ss
County of)

Then personally appeared the above named Peter Lichter and acknowledged the foregoing instrument to be his/her free act and deed, before me, this ____ day of _____, 1998.

Notary Public

My commission expires:_____

WITNESS my hand and seal this _____ day of _____, 1998.

By: Thomas Cremer

State of)
)ss
County of)

Then personally appeared the above named Thomas Cremer and acknowledged the foregoing instrument to be his/her free act and deed, before me, this ____ day of _____, 1998.

Notary Public

My commission expires:_____

WITNESS my hand and seal this _____ day of _____, 1998.

By: Laura Manuelidis

State of)
)ss
County of)

Then personally appeared the above named Laura Manuelidis and acknowledged the foregoing instrument to be his/her free act and deed, before me, this ____ day of _____, 1998.

Notary Public

My commission expires:_____

WITNESS my hand and seal this _____ day of _____, 1998.

By: Thomas Ried

State of)
)ss
County of)

Then personally appeared the above named Thomas Ried and acknowledged the foregoing instrument to be his/her free act and deed, before me, this ____ day of _____, 1998.

Notary Public

My commission expires: _____

WITNESS my hand and seal this 15th day of December, 1998.

By: [Signature]
Antonio Baldini

State of Texas)
)ss
County of Harris)

Then personally appeared the above named Antonio Baldini and acknowledged the foregoing instrument to be his/her free act and deed, before me, this 15th day of December, 1998.

[Signature]
Notary Public

My commission expires: 7/26/01

